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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/079.450	02/20/2002	John S. Foong	4808	7381
7590 04/22/2005			EXAMINER	
Chief Patent Counsel			JOHNSON, CHRISTINA ANN	
Engelhard Corporation 101 Wood Avenue			ART UNIT	PAPER NUMBER
P.O. Box 770			1725	
Iselin, NJ 08830-0770			DATE MAILED: 04/22/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

			VA
	Application No.	Applicant(s)	
	10/079,450	FOONG ET AL.	
Office Action Summary	Examiner	Art Unit	
	Christina Johnson	1725	
The MAILING DATE of this communication appeared for Reply	opears on the cover sheet v	vith the correspondence a	address
A SHORTENED STATUTORY PERIOD FOR REPORTED MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).		reply be timely filed irty (30) days will be considered tim NTHS from the mailing date of this ABANDONED (35 U.S.C.§ 133).	nely. communication.
Status			
1) Responsive to communication(s) filed on 31.	January 2005.		
2a)⊠ This action is FINAL . 2b)□ Th	is action is non-final.		
3) Since this application is in condition for allow	ance except for formal ma	tters, prosecution as to t	he merits is
closed in accordance with the practice under	Ex parte Quayle, 1935 C.	D. 11, 453 O.G. 213.	
Disposition of Claims			
4) ☐ Claim(s) 3-5,8-19,21,24,28 and 31 is/are penda 4a) Of the above claim(s) is/are withdrest 5) ☐ Claim(s) 10-12 is/are allowed. 6) ☐ Claim(s) 3-5,8,9,13-19,21,24,28 and 31 is/are 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and a	awn from consideration. e rejected.		
Application Papers			
9) The specification is objected to by the Examir 10) The drawing(s) filed on is/are: a) acceptant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Replacement of the second s	ccepted or b) objected to e drawing(s) be held in abeya ction is required if the drawin	ance. See 37 CFR 1.85(a). g(s) is objected to. See 37	CFR 1.121(d).
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document copies of the priority document copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the certified copies of the priority document copies of the pri	nts have been received. Ints have been received in lighter in the control of the	Application No n received in this Nation	al Stage
Attachment(s)			
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date U.S. Patent and Trademark Office	Paper No	Summary (PTO-413) o(s)/Mail Date Informal Patent Application (P	TO-152)

PTOL-326 (Rev. 1-04)

Application/Control Number: 10/079,450

Art Unit: 1725

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 3-5, 8-9, 13-19, 21, 24, 28, and 31 are rejected under 35 U.S.C. 102(b) as being anticipated by Deeba et al.

Deeba et al. (US 5,874,057) discloses a NOx trap composition useful in the purification of exhaust gas. The composition comprises a NOx sorbent material and a NOx abatement catalyst, including a catalytic metal (column 2, lines 65-69). Deeba et al. teaches that the composition is characterized by the catalytic metal components being segregated from the NOx sorbent materials (column 3, lines 5-10). The reference teaches that the composition may be in layer form on a substrate, with a first layer containing the NOx sorbent material and the second layer formed in the first containing the NOx abatement catalyst (column 7, lines 55-65 and Figure 1). The composition may also contain an intermediate layer (column 7, lines 20-30).

The NOx sorbent material comprises at least one basic oxygenated metal compound and may be dispersed on a refractory support material such as alumina or present in bulk form (column 8, lines 15-20). Suitable compounds include oxides of magnesium, calcium, strontium, and barium (column 8, lines 15-30). This metal oxide is present in amounts of 0.05 to 3 g/in³ (column 8, lines 30-35).

Application/Control Number: 10/079,450

Art Unit: 1725

The NOx abatement catalyst comprises a platinum catalytic metal component and optionally, one or more other platinum group metal components such as palladium and rhodium (column 9, lines 1-10). It is taught that in a typical composition, the amount of platinum group metal will be from about 5-150 g/ft³, and of that amount, platinum will typically comprise about 4-125 g/ft³ (column 9, lines 15-21). It is taught that the catalytic metal is supported on gamma alumina, which may be stabilized with lanthanum or other rare earth oxides (column 9, lines 20-45).

The compositions may be formed as layers on a monolithic structure such as a cordierite honeycomb structure (column 9, lines24-26).

As each and every element of the claimed invention is taught in the prior art as recited above, the claims are anticipated by Deeba et al.

Allowable Subject Matter

Claims 10-12 are allowed. Reasons for Allowance were provided in the previous 3. Office Action.

Response to Arguments

Applicant's arguments filed January 31, 2005 have been fully considered but they 4. are not persuasive.

Applicant argues generally that the reference does not disclose the limitations of independent claim 1. However, applicant has not pointed out which elements of the claim are missing from the reference or demonstrated how the language of the instant

Application/Control Number: 10/079,450

Art Unit: 1725

claim distinguishes over the reference. As discussed above, it is the position of the examiner that the Deeba reference teaches each and every element of the claimed invention. Refer also to columns 2-3 and 7-9.

Conclusion

5. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christina Johnson whose telephone number is (571) 272-1176. The examiner can normally be reached on Monday-Friday, 7:30-5, with Alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Dunn can be reached on (571) 272-1171. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Christina Johnson
Patent Examiner
Art Unit 1725

CAJ April 19, 2005